

# SENETHMI WICKRAMANAYAKE

## MECHATRONICS ENGINEERING UNDERGRADUATE



### CONTACT

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### TECHNICAL SKILLS

- AutoCAD
- SOLIDWORKS
- MATLAB/Simulink
- Proteus
- Multisim
- Arduino IDE
- C, C++, JAVA (languages)

### SOFT SKILLS

- Leadership
- Teamwork
- Problem Solving

### LANGUAGES

- English (Fluent)
- Sinhala (Fluent)

### REFERENCE

Prof.Migara Liyanage  
Head  
Department of Mechanical Engineering  
Faculty of Engineering  
SLIIT|Malabe Campus  
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BSc Eng Hons ,M eng,CEng, MIE(SL)  
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### PROFILE

Motivated Engineering Undergraduate pursuing dual degrees in Mechanical Engineering (Mechatronics) and Computer Science, with a good foundation in mechatronics systems and CAD design. Passionate about automation, industrial applications, and real-world problem-solving. Eager to contribute to innovative projects through a trainee position, while learning and growing in a professional environment. Highly enthusiastic about working in dynamic, team-oriented settings and collaborating with others to bring engineering solutions to life.



### EDUCATION

**BSc. Engineering(Hons.) in Mechanical Engineering (Mechatronics Specialization)** 2023 - 2027  
SLIIT | Undergraduate

**BCom. in Computer Science** 2024 - 2028  
University of Sri Jayawardenapura | Undergraduate

**Software Engineering Certificate Course- NIBM Colombo**  
Completed a 3-Month Course with Distinction covering OOP, UI/Database Design, Software Maintenance and Project Management Principles.

#### Visakha Vidyalaya-Colombo 05

##### GCE Advanced Level – 2022

• Chemistry	-	<b>A</b>
• Physics	-	<b>B</b>
• Combined Mathematics	-	<b>C</b>
• General English	-	<b>A</b>

##### GCE Ordinary Level – 2018

- **9 A's** including Information Technology & English Literature .



### PROJECTS

#### Micro mouse Maze Solver (ESP32 MCU)

Built a micro mouse robot using an ESP32 microcontroller, focusing on autonomous navigation, sensor integration, and maze-solving logic.

#### Wall-Following and Ball Dispensing Robot

Designed and implemented a robot capable of maintaining optimal distance from a wall using PID algorithms and embedded programming.

#### Automated Multi Layered Sand Sieving Machine

As the first year first semester Engineering Design Project.



### EXTRA-CURRICULARS

Vice Chairperson of the Robotics and Automation Society IEEE student branch of SLIIT.

University Colors Awards in Hockey for the years 2023 and 2024.

Recognized as Best Goalkeeper (Women's Category) in Hockey at CIHA and NSBM USPORTS tournaments.

Senior Prefect of Visakha Vidyalaya Prefect's guild.

District, Zonal level achievements in Football and Actively involved in various sports ,societies and performing arts, with multiple achievements and consistent member of the Student Parliament of Visakha Vidyalaya.